

PATENT APPLICATION: US/09/901,484A

DATE: 03/05/2002 TIME: 10:08:34

Input Set : D:\GEN-T111XC3D2.ST25.txt
Output Set: N:\CRF3\03052002\I901484A.raw

3 -1110> APPLICANT: Cohen, Daniel Blumenfeld, Marta Chumakov, Ilya Bougueleret, Lydie 8 -120> TITLE OF INVENTION: Prostate Cancer Gene 10 -(130) FILE REFERENCE: GEN-T111XC3D2 12 -: 140: CURRENT APPLICATION NUMBER: US 09/901,484A 13 -(141) CURRENT FILING DATE: 2001-07-09 15 -(150) PRIOR APPLICATION NUMBER: US 08/996,306 16 <1151> PRIOR FILING DATE: 1997-12-22 18 -: 150> PRIOR APPLICATION NUMBER: US 60/099,658 19 <151> PRIOR FILING DATE: 1998-09-09 21 -(150) PRIOR APPLICATION NUMBER: US 09/218,207 22 -: 151: PRIOR FILING DATE: 1998-12-22 24 -:150: PRIOR APPLICATION NUMBER: US 09/338,907 25 -: 151> PRIOR FILING DATE: 1999-06-23 27 -150> PRIOR APPLICATION NUMBER: US 09/853,526 28 -(151)- PRIOR FILING DATE: 2001-05-11 30 <160> NUMBER OF SEQ ID NOS: 578 32 -(170) SOFTWARE: PatentIn version 3.1 34 - 210> SEQ ID NO: 1 35 - 211> LENGTH: 56516 3€ HAIN TYPE: DNA 37 ...13 • ORGANISM: Homo sapiens 30 -(220) FEATURE: 40 DEED NAME/KEY: promoter 4: 1870 > LCCATION: (1629)..(1870) 4. (2.3 > OTHER INFORMATION: identification method Proscan 4 > 1.1.11 FEATURE: 48 0.003 OTHER INFORMATION: potential start codon 51 -(220 → FEATURE: 52 1221 - NAME/KEY: misc_feature 53 <322> LOCATION: (2001)..(2216) 54 <3235 OTHER INFORMATION: exon 1 57 (22)> FEATURE: Ca (১৯১৭) সুসুস্থান্দ্রাল

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- 66 <223> OTHER INFORMATION: Tyr Phos
- 69 HEBBOD FEATURE:
- 70 :321> NAME/KEY: primer_bind
- 71 +:2225 LOCATION: (11930)..(11947)
- 72 + 223 OTHER INFORMATION: upstream amplification primer 4-77 SEQ ID 42
- 75 220 FEATURE:
- 76 MAME/KEY: allele
- 77 12327 LOCATION: (12057)..(12103)
- 78 1223 OTHER INFORMATION: polymorphic fragment 4-77 SEQ ID 24
- 81 2200- FEATURE:
- 82 221 NAME/KEY: primer_bind
- 83 2221 LOCATION: (12339)..(12358)
- 84 223 OTHER INFORMATION: downstream amplification primer 4-77 SEQ ID 51, complement
- 37 220 FEATURE:
- 88 221 NAME/KEY: primer_bind
- 89 2220 LOCATION: (13547)..(13564)
- 93 1220 FEATURE:
- 94 1221: NAME/KEY: allele
- 95 -: 222 LOCATION: (13657)..(13703)
- 96 1223 OTHER INFORMATION: polymorphic fragment 4-73 SEQ ID 58
- 99 -1220. FEATURE:
- 100 221> NAME/KEY: primer_bind
- 101 (2003) LOCATION: (13962)..(13981)
- 102 3233 OTHER INFORMATION: downstream amplification primer 4-73 SEQ ID 67, complement
- 105 + 220> FEATURE:
- 106 + 221> NAME/KEY: misc_feature
- 107 (222) LOCATION: (17997)..(18003)
- 108 ± 223 OTHER INFORMATION: n = a, c, g, or t.
- 111 -: 220 FEATURE:
- 112 <221 NAME/KEY: misc_feature
- 113 222 LOCATION: (18196)..(18265)
- 114 +(2.2.3) OTHER INFORMATION: exon 2
- 117 -(220.≻ FEATURE:
- 118 221 NAME/KEY: misc_feature
- 11+ 2.25 LOCATION: (19357)..(19357)
- 1. (-223) OTHER INFORMATION: n = a, c, g, or t.
- 1.3 W. . PEATURE:
- 1.4 ... > NAME/KEY: misc_feature
- 125 (2.2 + LOCATION: (23717)..(23832)
- 135 333> OTHER INFORMATION: exon 3
- 129 -(220> FEATURE:
- 130 -(2.1) NAME/KEY: misc_feature
- 131 < 222> LOCATION: (25571)..(25660)
- 132 (223> OTHER INFORMATION: expn 4
- 135 <220> FEATURE:

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141 <220 → FEATURE: 142 - 1221 NAME/KEY: allele 143 - 222 > LOCATION: (34469)..(34515) 144 - 223 OTHER INFORMATION: polymorphic fragment 99-217 SEQ ID 25 147 · 220 → FEATURE: 148 - 221 - NAME/KEY: primer_bind 149 - 222 - LOCATION: (34625)..(34645) 150 - 223 - OTHER INFORMATION: downstream amplification primer 99-217 SEQ ID 52, complement 153 - 220 FEATURE: 154 - 221 - NAME/KEY: misc_feature 155 (222) LOCATION: (34669)..(34759) 156 - 1223 OTHER INFORMATION: exon 5 159 <2200 FEATURE: 160 - 221 - NAME/KEY: misc_feature 161 <222 · LOCATION: (39083)..(39093) 165 -(220 - FEATURE: 166 - 221 - NAME/KEY: misc_feature 167 <222 - LOCATION: (40688)..(40846) 168 <223> OTHER INFORMATION: exon 6 171 -(220 - FEATURE: 172 <221 · NAME/KEY: misc_feature 173 -: 222 - LOCATION: (48070)..(48193) 174 < 223 OTHER INFORMATION: exon 7 177 <220> FEATURE: 178 -: 221 - NAME/KEY: misc_feature 179 <222 LOCATION: (50182)..(54523) 180 - 1223 - OTHER INFORMATION: exon 8 183 - 220 - FEATURE: 184 - 221 - NAME/KEY: primer_bind 185 - 222 - LOCATION: (51149)..(51168) $186 \cdot 223 \cdot$ OTHER INFORMATION: upstream amplification primer 4-65 SEQ ID 65 189 + 220 + FEATURE: 190 - 221 - NAME/KEY: allele 191 - 222 - LOCATION: (51448)..(51494) 19. - ... OTHER INFORMATION: polymorphic fragment 4-65 SEQ ID 59 135 - 22 - FEATURE: 1 - Ld. NAME/KEY: primer_bind 197 - 232 - LOCATION: (51482)..(51499) 188 LLB OTHER INFORMATION: downstream amplification primer 4-65 SEQ ID 68, complement 201 dado → FEATURE: 202 - 221 - NAME/KEY: primer_bind 203 $\times 222 \times \text{LOCATION}$: (51596)..(51613)

204 <2223 - OTHER INFORMATION: upstream amplification primer 4-67 SEQ ID 44

1007 -CHRO→ FEATURE:

208 <221> NAME/KEY: allele

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214 <221> NAME/KEY: primer_bir			
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216 <223 OTHER INFORMATION: 0	downstream amplific	cation primer 4-5/ SEQ	ID 53, complement
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221 <222⇒ LOCATION: (54445)			
222 <223 OTHER INFORMATION: P	AATAAA		
225 <400> SEQUENCE: 1			6.0
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230 tggcaaacat tgcacaaaag ttta			180
232 aacaaattta cacataaaca cata			240
234 abagaadetg ctttatettt tege			300
236 aagaaageat aaggageatt agtt	igtgcac actgtccaca	coogtgactt ttttccacca	360
238 gradiaaacd tagigotici tada			420
240 ectittactg tgtaatgett cete			480
242 tidadetgge titgteddea aagg			540
244 toatgtataa agaaagtago taco	cateetg geeetgatta	gaacttccca ctgaaatacc	600
246 gtootgoota aaggtagcac aggt	ttccat tatggtggtg	gtggggaggg ggcgggaata	660 720
248 tatatatata tatatatata tata	atatatg gtaaagcatt	cggcattett ttaaagtada	
250 actatoctty aaaagggtta cata	attaaac catttttacc	acagecaaag gggaggagaa	780
252 agatocaaaa gtootgtgga toto			840 900
254 gottttagtg aaggetacaa aagt			960 960
256 tittaattadt adagaaaaaa adga			1020
258 cagactotga ggaaatgaag caaq			1080
260 atatectigt gggattgtte ttes			1140
262 atggggaaaa acacggacco taaf	totgaa acaoootggt	agegagagae gggeaggagg	1200
264 ggotgotgog castoagage ggas	ggetgag gaggeggegt	coccutgoda aggacuggod	1260
266 gtgagcagat ggggacactc gage			1320
268 goodaggtgo otgdaagaat taga			1380
270 taattgtgtg catcooggeg coca			1440
272 todagogado ottaaacotg acco			1500
274 accoggacco toctooggoo agos			1560
276 oddttoddd gtoddagod ggod			1630
278 genegogoda dagdaggtag dtgt			1680
(H) sgrigttattg dogdogaggt gga	actaigg daadgggcga	- obsatobayaa yybybyttyt	1740
.A. tgoogoggag doocotgood ogg	dagggg algegedat	ggglgagggt balggggtgt	1800
.N4 gageatecet gagebatega tec	gggaggg dagagggtta	ararragara agantargan	1860
. No oggogoabgo agobbogoab tog	octacco ggodccgggd	ggoggogogg codattgoggo	132)
.нн тдддддадда ддотдддада ддд	.ggcggg	- byggdddygg byglagaetgg - gagggdddygg byglagaetgg	1980
200 degeotgetg geogegactg agg	occygga gycyggy stataaa taataataa	gagogoaggo ggagotogot aagataataa ataaaataaa	2040
201 geogeogage tgagaagatg etg			2100
204 tgotgoccag ogtogtgoto otgo			2160
1946 ggoggatgat ataagaatta atg			2107
100 actgogteta coagagoatg gtg			2280
30) gaegestase gatesegggt etak	ggegree accegagere	च्डनपूष्नभूडन्ड प्राव ्यत्र राष्ट्र	11 L N 1

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3 - 8	contracta	aatctaatac	tacttagcaa	agtgggtgca	gatgcacgtt	ttaaataata	2526
				gtccaaagag			258¢
				tacagtgacc			2640
				gaaagctggg			2700
				cttgccaact			2760
				tgttactgtt			2820
				agtggaaggc			2880
				ttttctttta			2940
				ctagtcctct			3000
				attitgtott			3060
				gtcaggtact			3120
				gaagttgttt			3180
				taagtgtctc			3240
				acgtttaaaa			3300
				atggtaactc			3360
				ccacatcatg			3420
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346	attgcatacc	ttacctgatg	ttcagagatc	cgatttactt	cttgatttcc	cagcaagtga	3660
				ccaccgtctg			3720
				aggatgcctg			3780
				aagttcttta			3840
				aacatttaat			3900
				atggagggga			3960
				agggtctttt			4020
				attgtttctg			4080
362	gaataaatag	ctatcttcaa	acataagacc	caaaggaaaa	agatttatag	tgatgttctg	4140
				cattaacttt			4200
				taggacactc			4260
368	tatcagettt	cgtttgcaag	gctagtgatg	attotottgt	totgtataaa	gtattgttga	4320
				agaggttata			4380
				aaaataaaat			4440
				gtggttcaca			4500
				gagaagtagt			4 56
				aacaaattta			463
				actactitat			4 f H
				attgttddtt			474
				aactcaaatg			4800
				aagctttttt			48€U •850
				gtgttgagag			4930
				cotcaaacta			4980
				ctttgaaatc			50 4 0
				tottgtgggt			5100 6100
				caacctctgc			516 ± 5110
કુનન	stattatgta	tracatotca	statasattt	stattagaag	gatgettqte	attääditta	المهادو

VERIFICATION SUMMARY

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Input Set : D:\GEN-T111XC3D2.ST25.txt
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